# This Page Is Inserted by IFW Operations and is not a part of the Official Record

# **BEST AVAILABLE IMAGES**

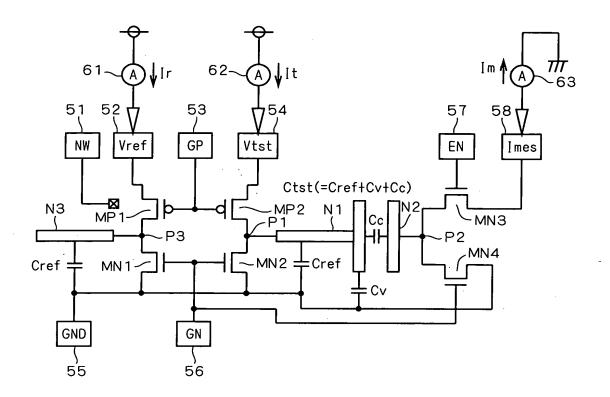
Defective images within this document are accurate representations of the original documents submitted by the applicant.

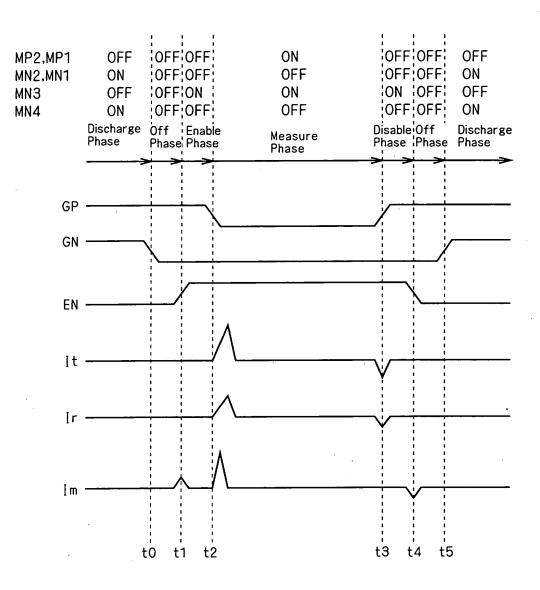
Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

# IMAGES ARE BEST AVAILABLE COPY.

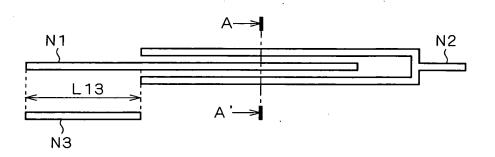
As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.



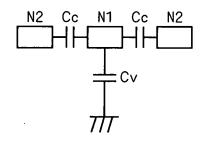


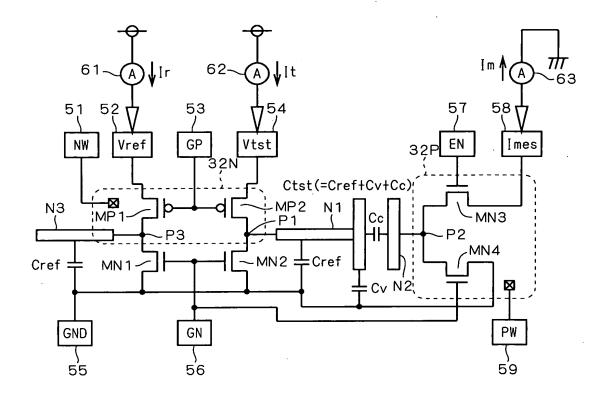
OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 3 OF 56

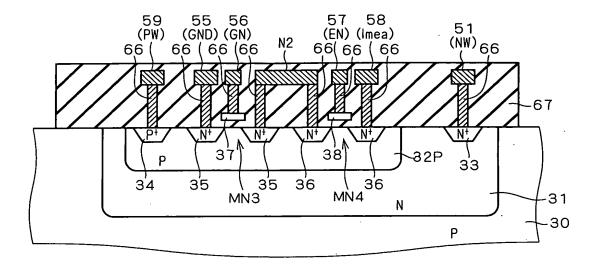
F I G . 3



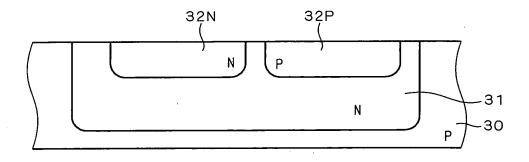
F I G . 4





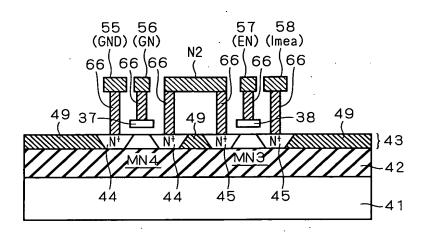


F I G . 7

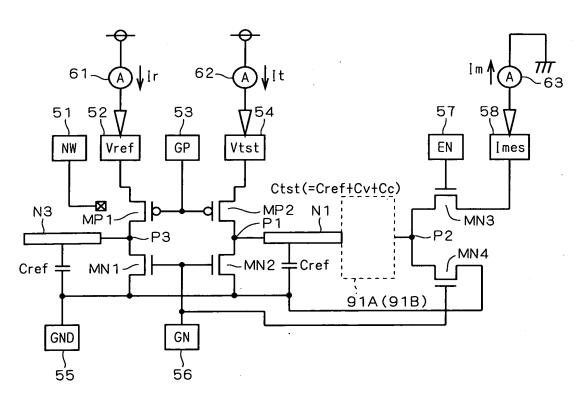


OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 6 OF 56

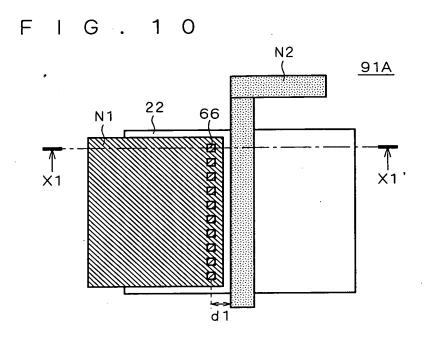
F I G . 8



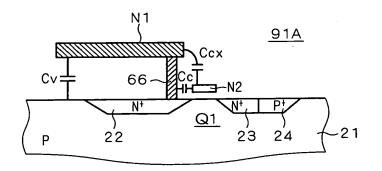
F I G . 9



OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 7 OF 56

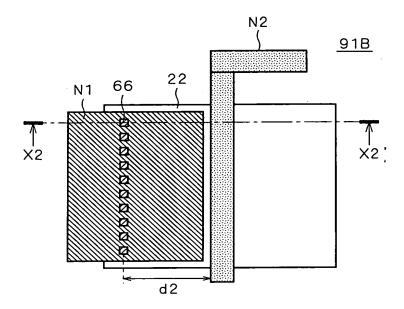


F I G . 1 1

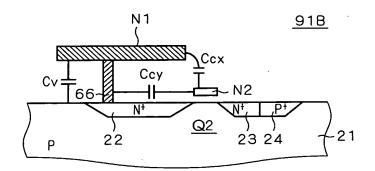


OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 8 OF 56

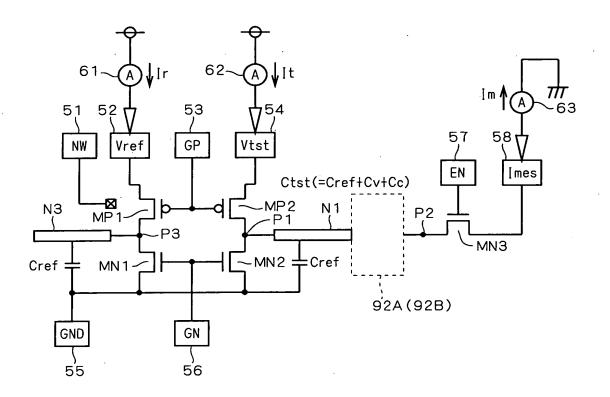
F I G . 1 2



F I G . 1 3

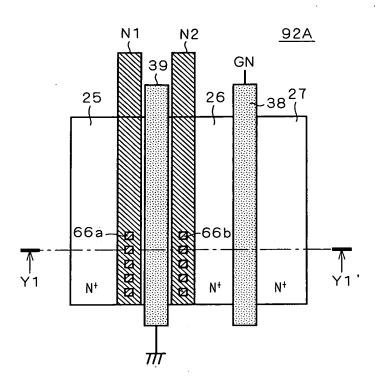


# F I G . 1 4

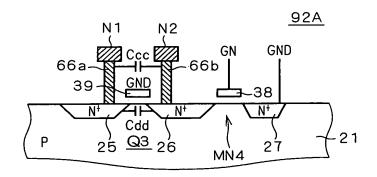


OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 10 OF 56

F I G . 15

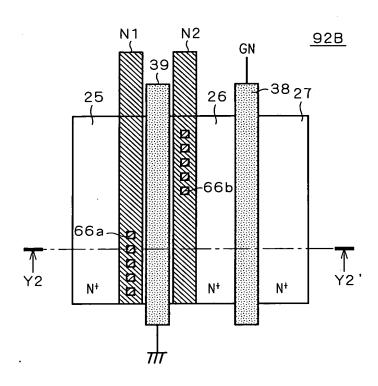


F I G . 16



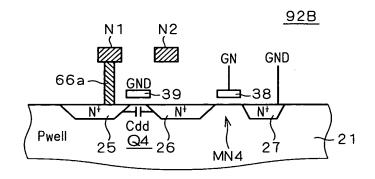
OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 11 OF 56

F I G . 1 7

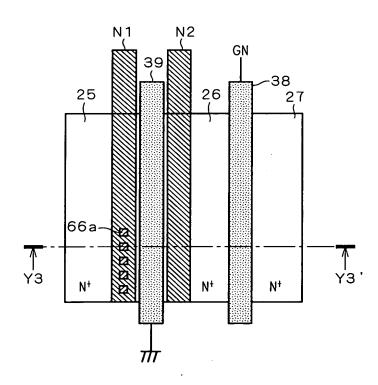


OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 12 OF 56

F I G . 18

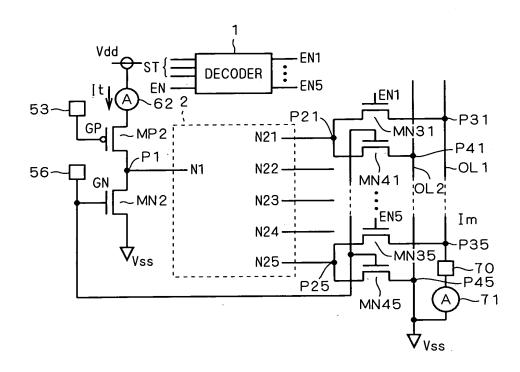


F | G . 19



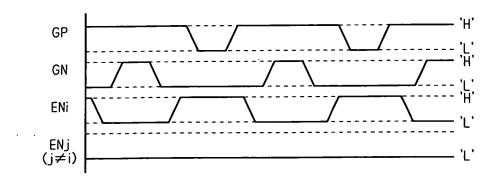
OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 13 OF 56

## F I G . 2 0

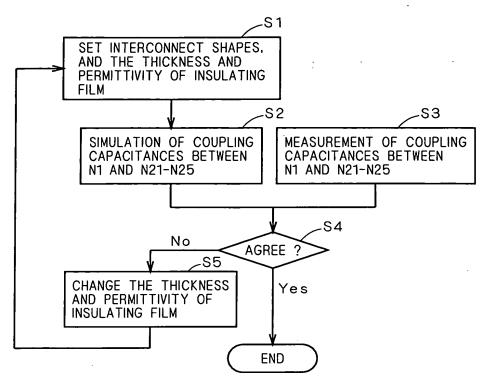


N21 (N22) 67 (N25) (N24)

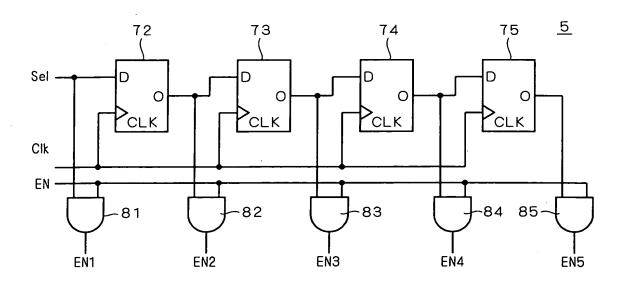
F I G . 2 2



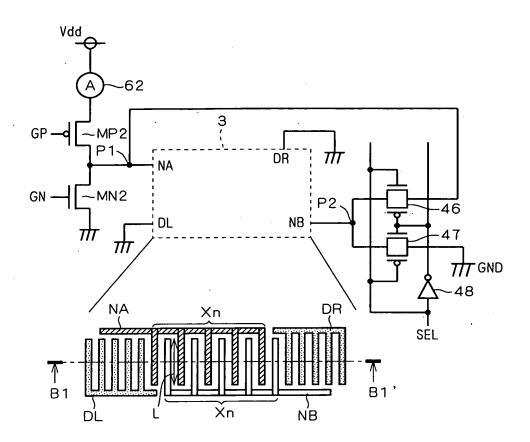
F I G . 2 3

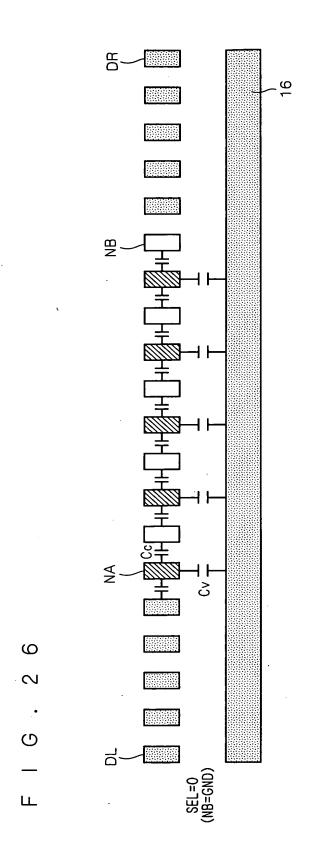


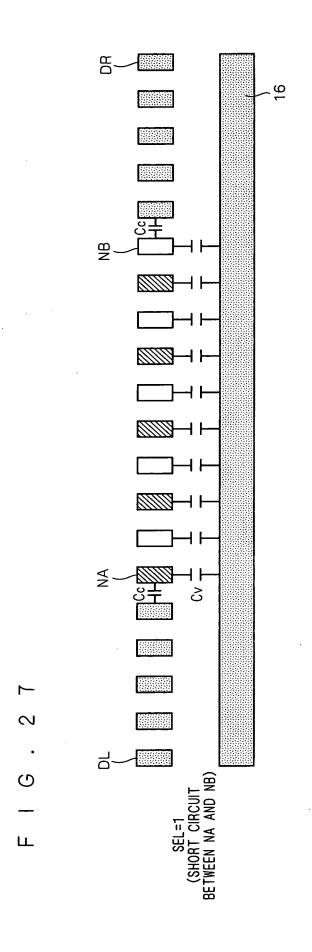
F I G . 2 4



OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 15 OF 56

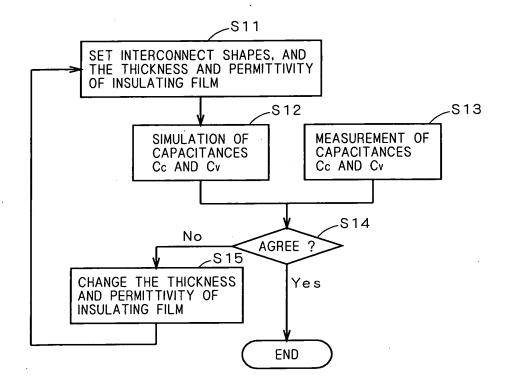


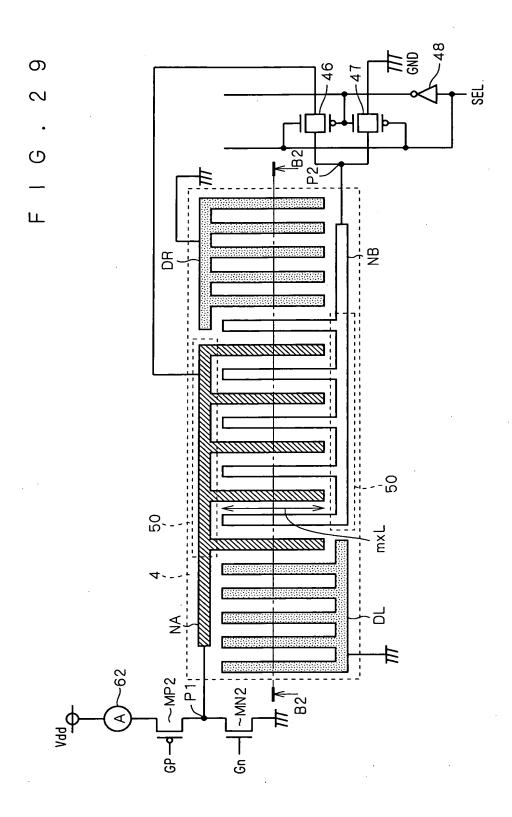


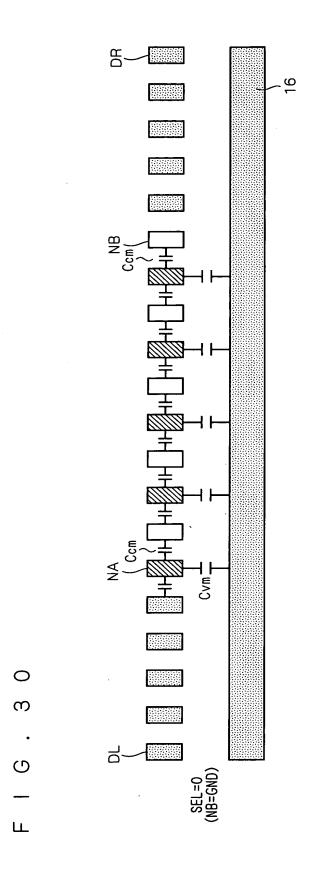


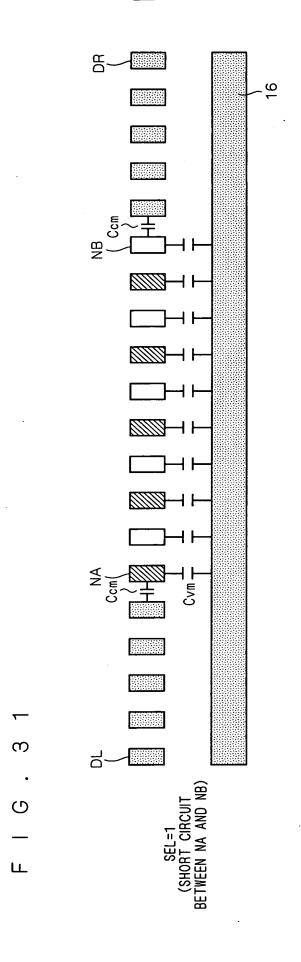
OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 18 OF 56

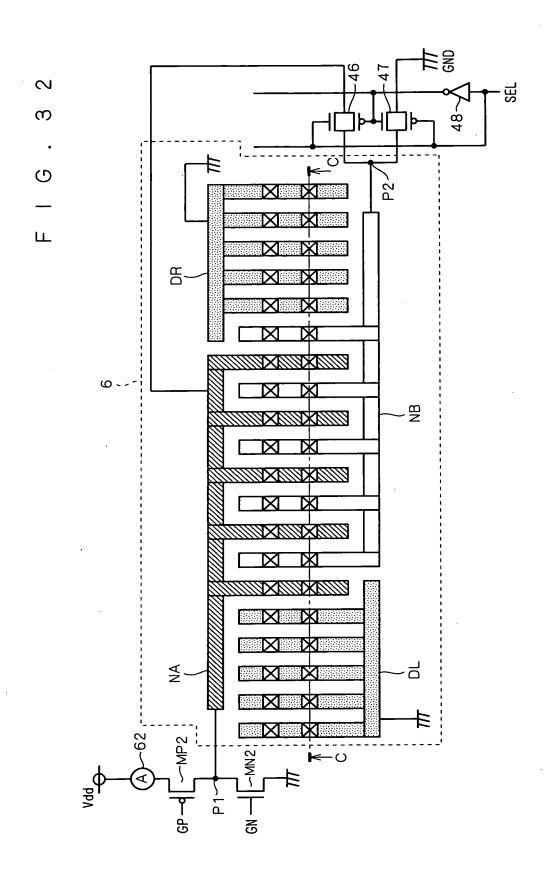
F I G . 28

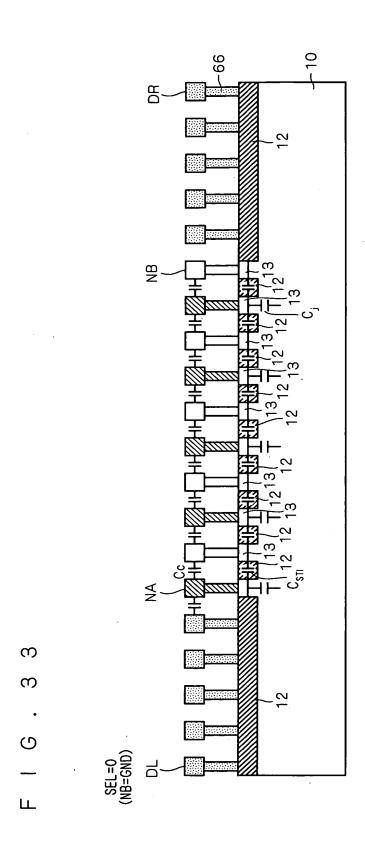


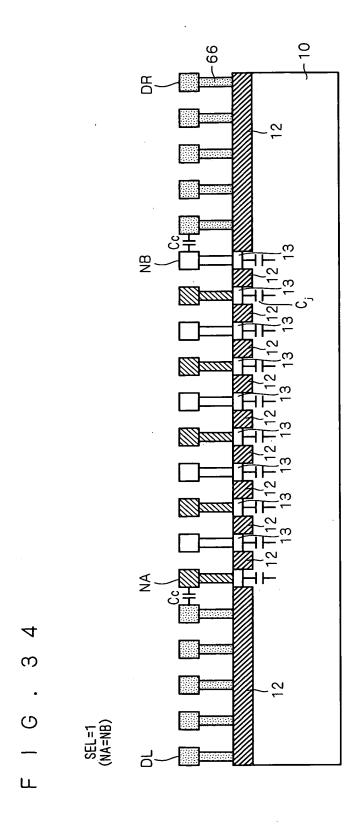


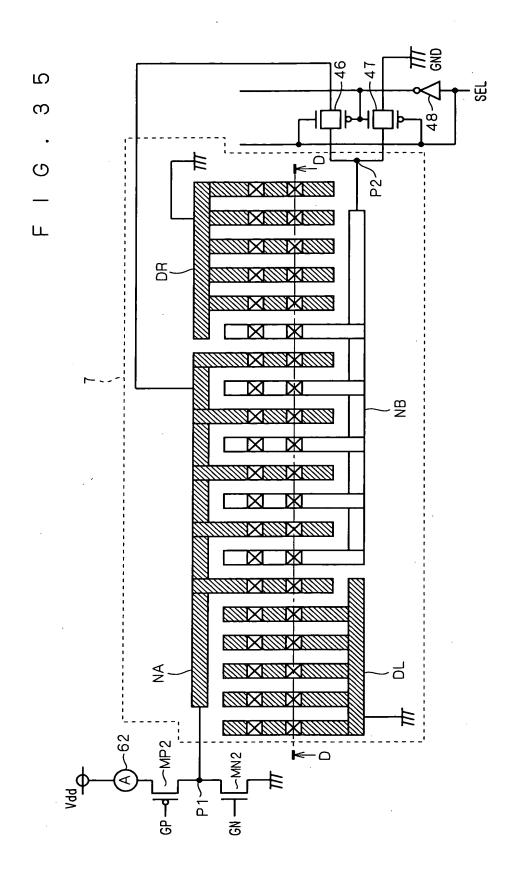




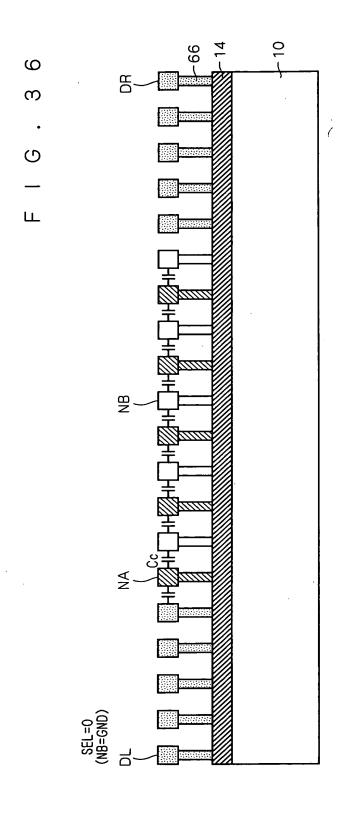




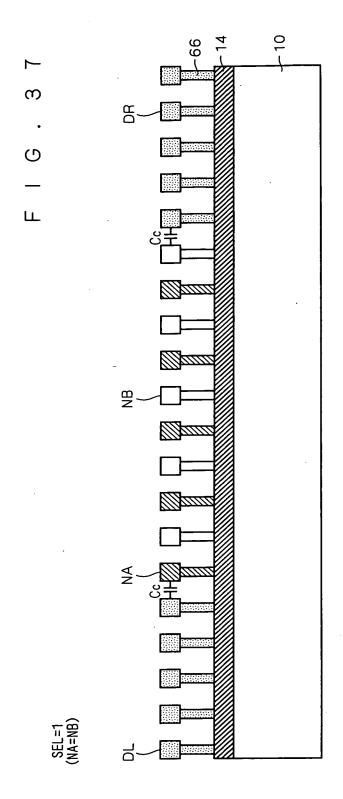


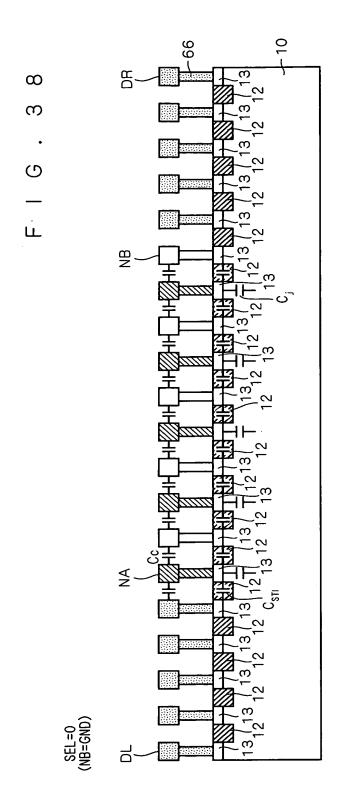


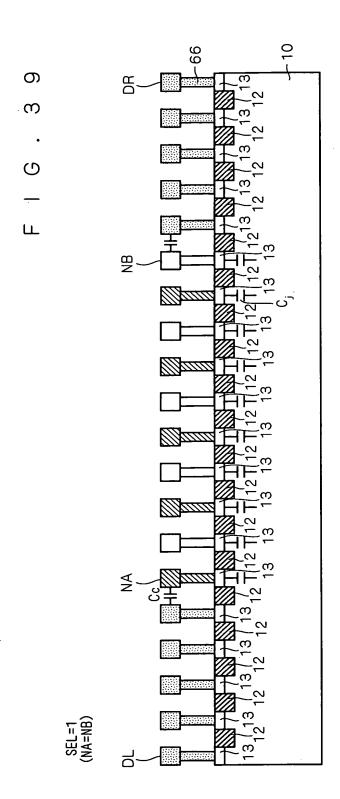
OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET <u>26</u> OF <u>56</u>

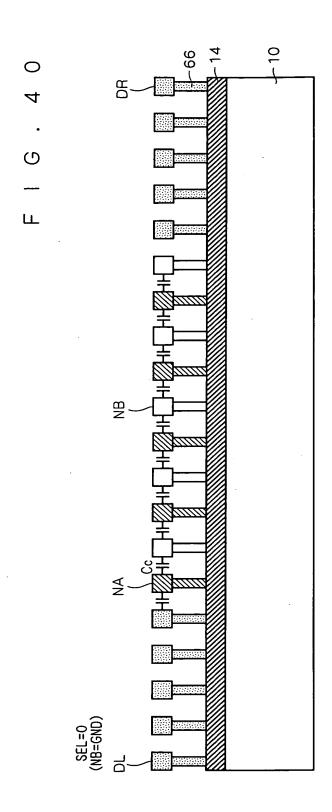


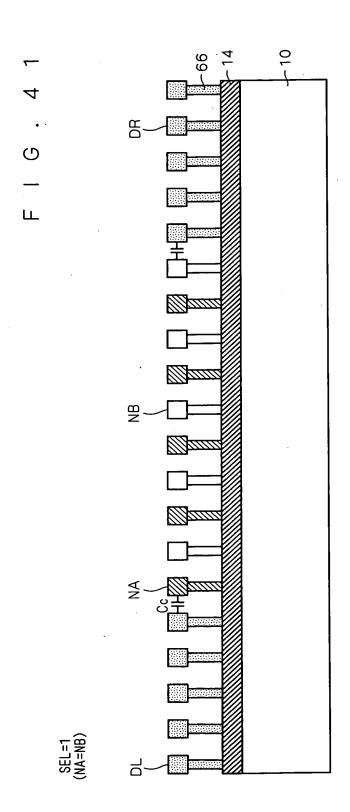
OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 27 OF 56

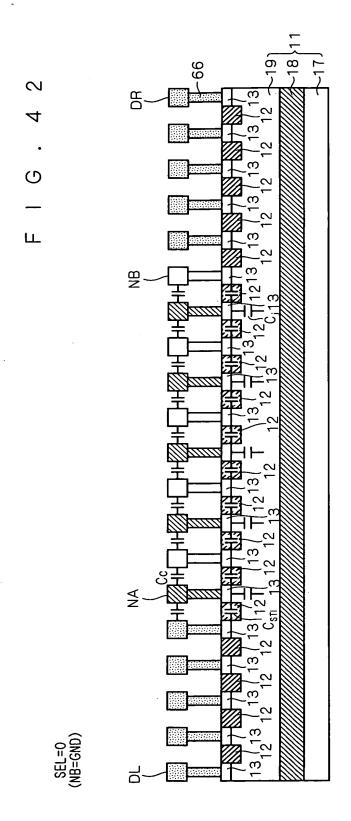


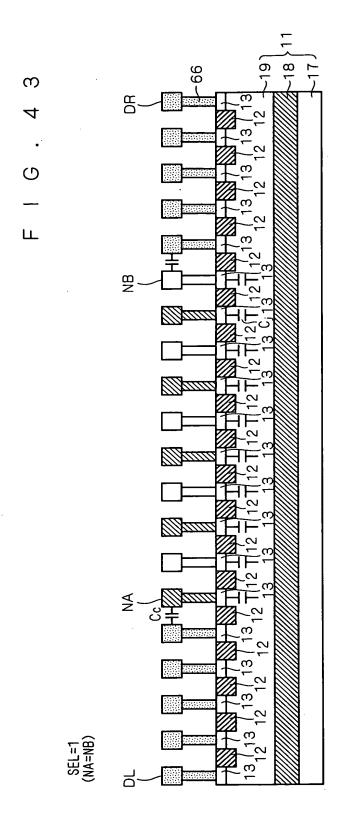


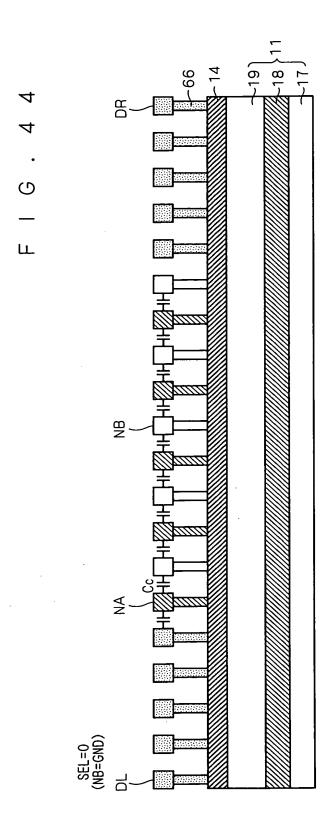


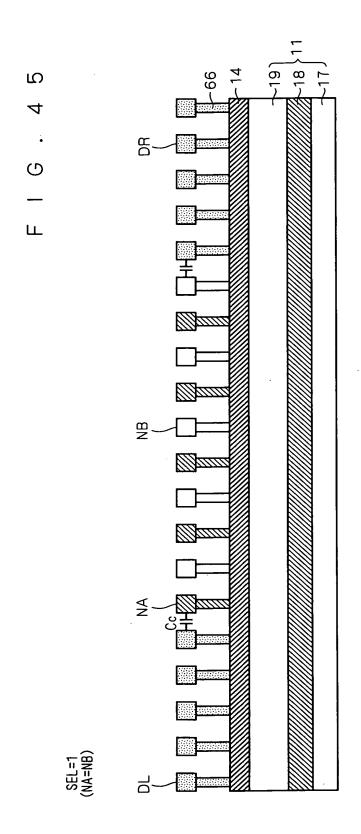


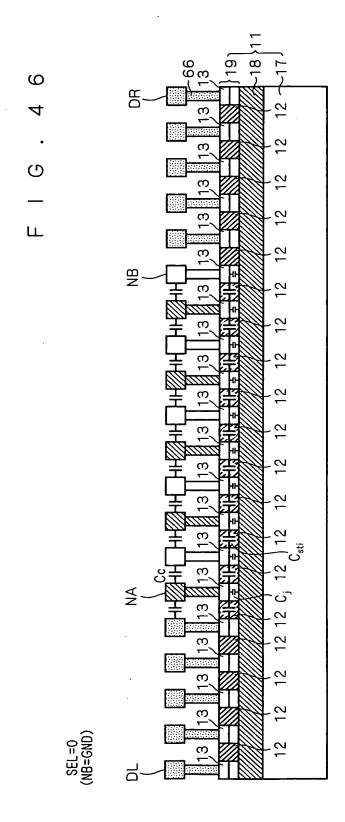


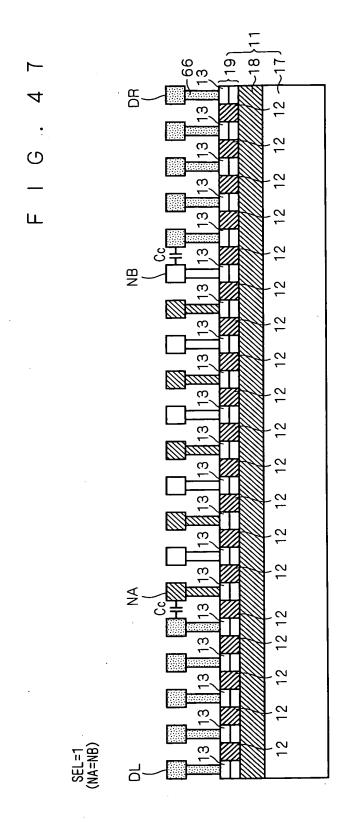


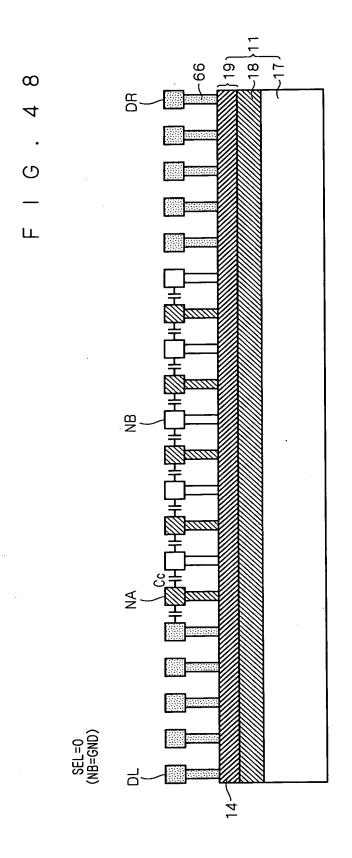


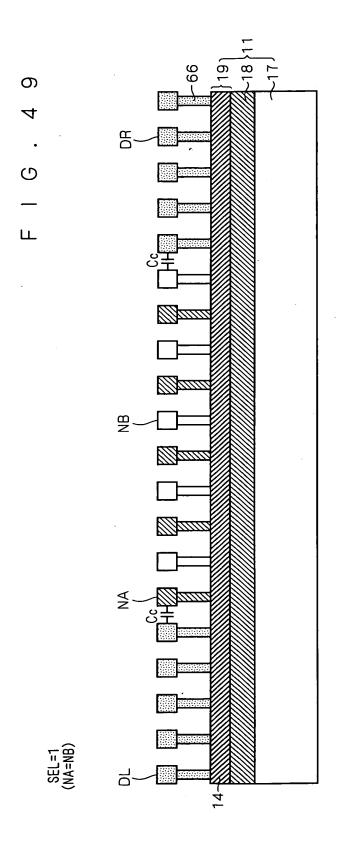




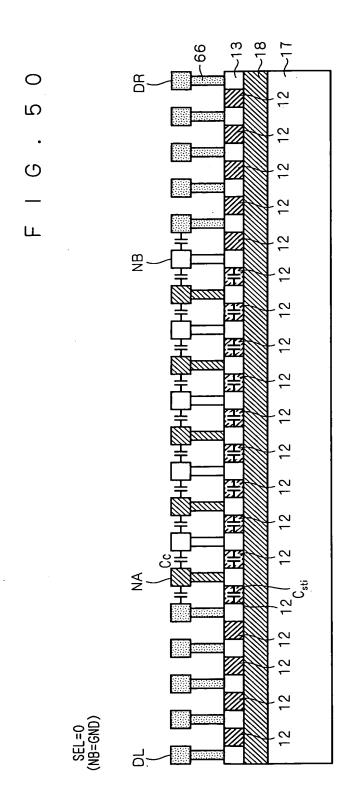


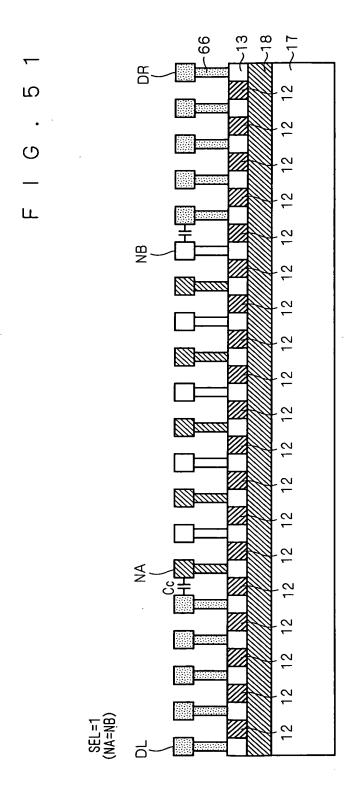




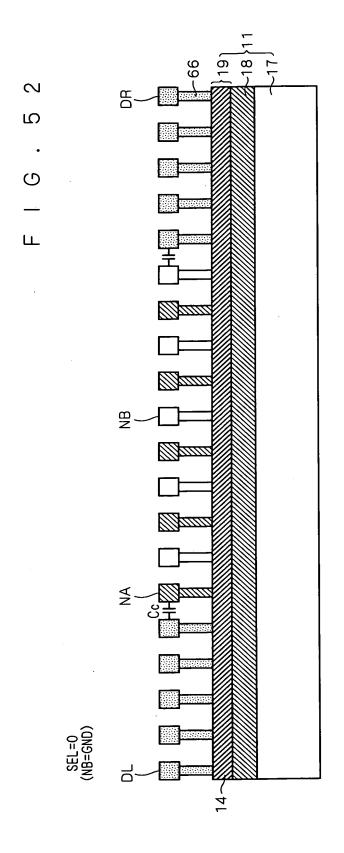


OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 40 OF 56

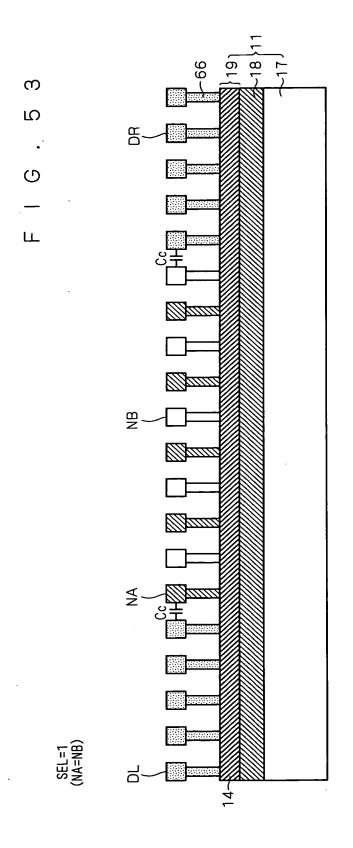




OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 42 OF 56

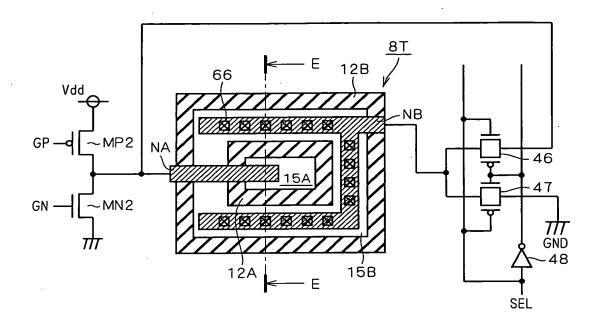


OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 43 OF 56

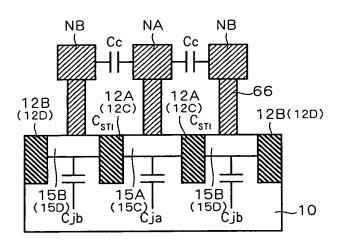


OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 44 OF 56

# F I G . 5 4

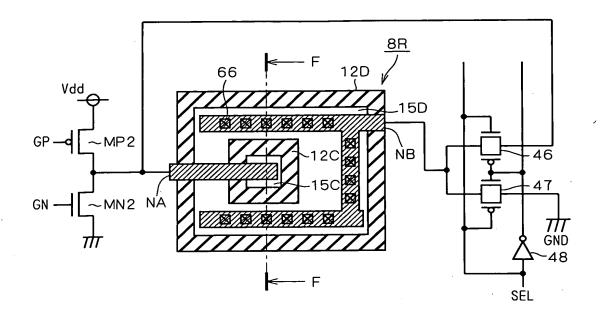


F I G . 5 5



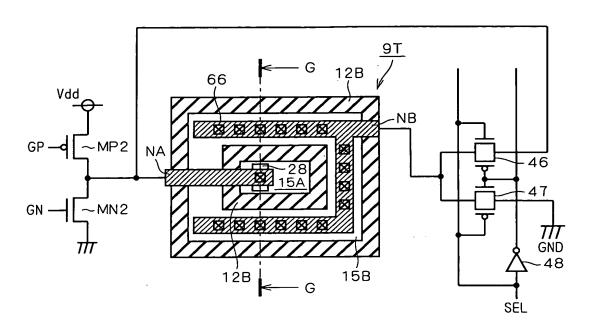
OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 45 OF 56

### F I G . 5 6

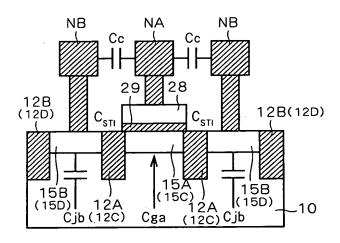


OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 46 OF 56

F I G . 5 7

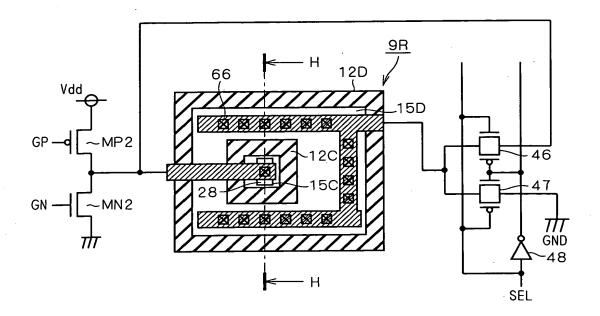


F I G . 58



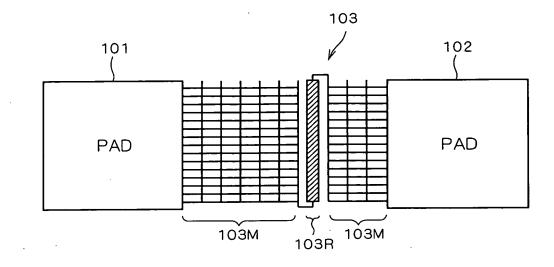
OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 47 OF 56

# F I G . 5 9

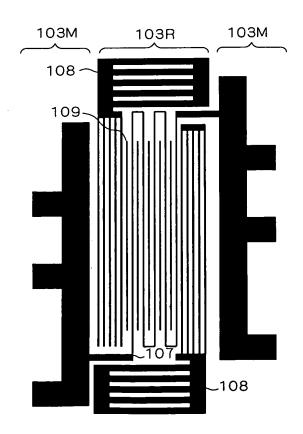


OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 48 OF 56

#### F I G . 6 0

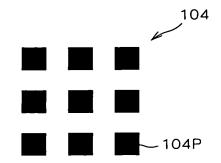


F I G . 6 1

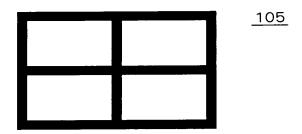


OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 49 OF 56

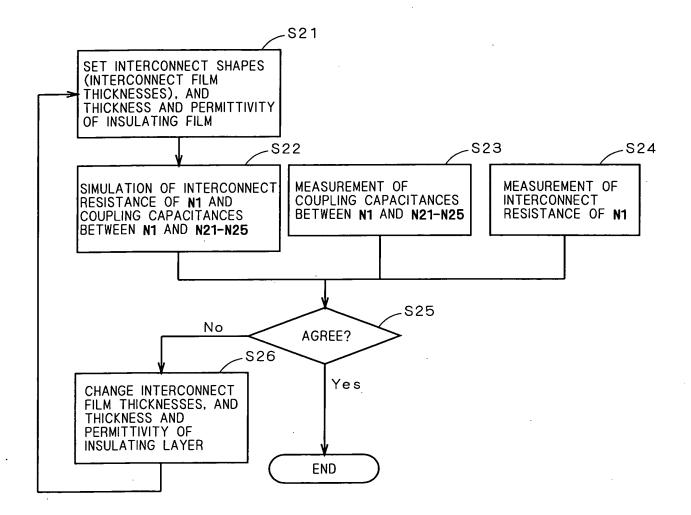
F I G . 6 2



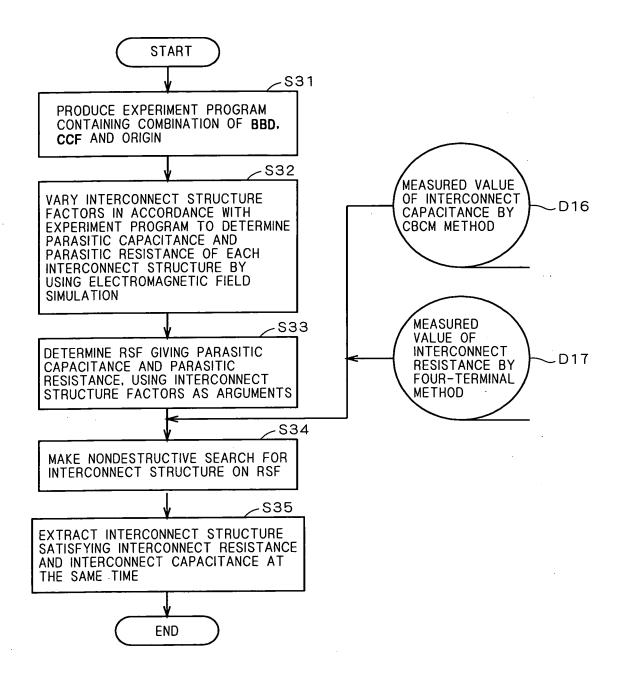
F I G . 6 3



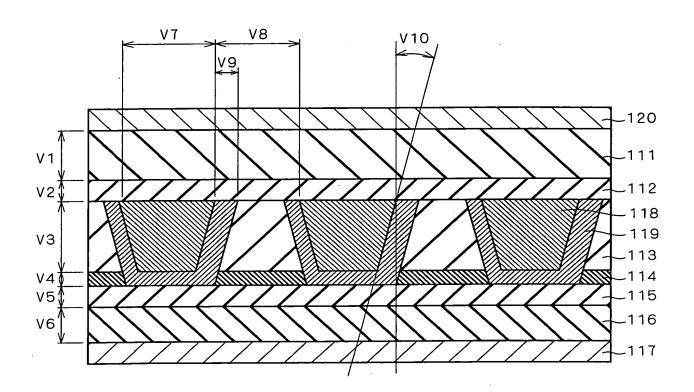
#### F I G . 64



F I G . 65



F I G . 6 6

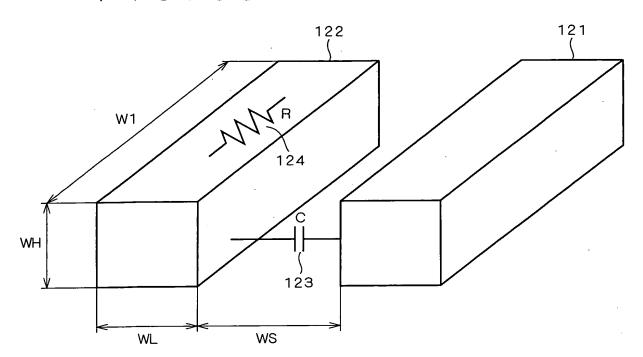


OBLON, SPIVAK, ET AL DOCKET #: 247943US2X INV:Tatsuya KUNIKIYO, et al. SHEET 53 OF 56

#### F I G . 6 7

	V1	٧2	VЗ	٧4	<b>V</b> 5	٧6	٧7	٧8	۷9	V10
INTERCONNECT STRUCTURE 1	-1	-1	0	0	-1	0	-1	0	0	0
INTERCONNECT STRUCTURE 2	1	-1	0	0	-1	0	-1	0	0	0
INTERCONNECT STRUCTURE 3	-1	1	0	0	-1	0	-1	0	0	0
INTERCONNECT STRUCTURE 4	1	1	0.	0	.–1	0	-1	0	0	. 0
INTERCONNECT STRUCTURE 5	-1	-1	0	0	1	0	-1	0	0	0
INTERCONNECT STRUCTURE 6	1	-1	0	0	1	0	-1	0	0	0
INTERCONNECT STRUCTURE 7	-1	1	0	0	1	0	-1	. 0	0	0
INTERCONNECT STRUCTURE 8	1	1	0	0	1	0	-1	0	0	0
	•••	•••	•••	•••	•••	•••	•••	•••		•••
		•••	•••	•••	•••	•••	•••	•••	•••	
	•••	•••	•••	•••	•••			•••	• • • •	

F I G . 68



# F I G . 6 9

